

**ABSTRACT**

To provide a stretch-formed multilayer container with excellent oxygen-gas barrier properties even in a high humidity atmosphere, which is obtained by stretching a multilayer sheet or a multilayer preform, which contains at least one layer made of a mixture of a polycarboxylic acid-based polymer (B) and a plasticizer (C) and at least one layer made of a mixture of a multivalent metal compound (D) and a resin (E), from 1.1 to 100 times its area draw ratio.